

Title (en)

Enhancing optical radiation systems used in dermatologic treatments

Title (de)

Verbessernde optische Strahlungssysteme, die bei dermatologischen Behandlungen verwendet werden

Title (fr)

Amélioration de systèmes à rayonnement optique utilisés dans les traitements dermatologiques

Publication

EP 2258301 A3 20130417 (EN)

Application

EP 10176211 A 20080327

Priority

- EP 08742313 A 20080327
- US 3550808 P 20080311

Abstract (en)

[origin: GB2447366A] A dermatologic treatment lamp can operate in a pulse mode in which it applies a single pulse of radiation to the skin, or a strobe mode in which it emits a continuous sequence of radiation pulses. Preferably, the pulses are of 50ms duration and are separated by about one second. The device treats at least two square centimetres of skin per pulse and, in strobe mode, can be moved slowly across the surface of the skin. A head 802 of the device contacts the skin and may incorporate a hydrophilic substrate to reduce friction with the skin. The head may be replaceable. The light source may be a flash lamp, laser or LED and may be used with a brightness enhancer such as a wavelength converter or wavelength-selective reflector that reflects ultraviolet radiation back to the light source to be recycled. The source and enhancer may be in a replaceable cartridge.

IPC 8 full level

A61B 18/20 (2006.01)

CPC (source: EP GB US)

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Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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